

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07B 33/00, C07D 301/12, C07C 27/16	A1	(11) International Publication Number: WO 99/64376 (43) International Publication Date: 16 December 1999 (16.12.99)
(21) International Application Number: PCT/EP99/03998 (22) International Filing Date: 8 June 1999 (08.06.99) (30) Priority Data: 9812235.1 8 June 1998 (08.06.98) GB (71) Applicant (for all designated States except US): EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, P.O. Box 710, Linden, NJ 07036 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): DAKKA, Jihad [IL/BE]; Heikneuterlaan 7, B-3010 Kessel-Lo (BE). GORIS, Hans, Karel, Theresia [BE/BE]; Makelstraat 12, B-2431 Laakdal (BE). MATHYS, Georges, Marie, Karel [BE/BE]; Eiken- boomlaan 66, B-3360 Bierbeek (BE). (74) Agent: WHITE, Nicholas, J.; Harrison Goddard Foote, Windsor House, Cornwall Road, Harrogate HG1 2PN (GB).		(81) Designated States: CA, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: OXIDATION PROCESS IN THE PRESENCE OF CARBON DIOXIDE		
(57) Abstract The selectivity of an olefin epoxidation process catalyzed by a heterogeneous catalyst for example titanium silicalite is improved by performing the epoxidation in the presence of carbon dioxide. The catalysts used do not require regeneration on each recycle.		